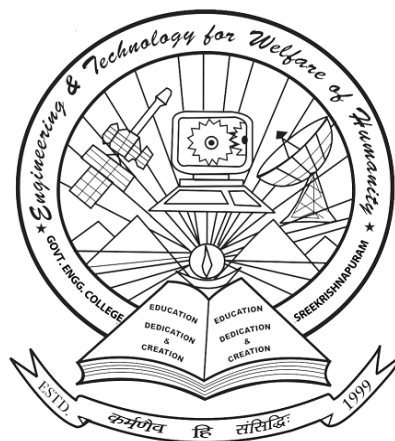


TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME

TEQIP PHASE-II-REVISED

INSTITUTIONAL DEVELOPMENT PROPOSAL



For

Sub-component 1.1: Strengthening Institutions to improve Learning

Outcomes and employability of Graduates

Submitted by

**GOVERNMENT ENGINEERING COLLEGE
PALAKKAD-678633**



OFFICE OF THE PRINCIPAL
GOVERNMENT ENGINEERING COLLEGE
SREEKRISHNAPURAM,
PALAKKAD DISTRICT
KERALA – 678633

PRINCIPAL

www.gecksp.ac.in

GOVERNMENT ENGINEERING COLLEGE, SREEKRISHNAPURAM
PALAKKAD (DIST), KERALA
Phone: 0466-2260350

CERTIFICATE

*Certified that all the information furnished in this
proposal are factually correct.*

Dr. S.Radhakrishnan

PRINCIPAL
Government Engineering College,
Palakkad-678633,
Kerala

A. Executive summary of revised Institutional Development

The guiding philosophy of TEQIP Phase II has been identified as the concept of “collective responsibility with well defined individual answerability”. IDP of this Institute is prepared keeping this philosophy in focus. An opportunity for transforming the Institute into a *self-sufficient center of higher learning in Technical Education* has been identified, as envisaged in the guidelines of the PIP.

This document outlines a **master plan** for upgrading Govt. Engineering College, Palakkad as a Centre of Excellence in Technical Education using the assistance from TEQIP scheme. It envisages both vertical as well as horizontal development by way of establishing new PG courses and strengthening the present undergraduate courses in Engineering. The proposal stresses the need for research-oriented programs with industry linkage.

The rural setting of the institution emphasized development when it was established in 1999 at Sreekrishnapuram village of Palakkad district. The place has made its mark in the cultural arena of the state by producing several traditional artists, scholars, etc. The serene atmosphere is conducive for academic work and the institution has made its presence felt in the professional landscape of the state within a short span of time. Endowed with brilliant students and dedicated faculty, it is on the launch pad of development. What it lacks is the right infrastructure, including built-up space.

All the key systems required for a healthy institution are already in place. For instance, the advisory system, the Career Guidance and Placement unit, student chapters of professional bodies such as the IEEE, an active Parent-Teacher Association, students Co-operative society, Alumni Association, etc. are already functioning well.

The college is only 37 Km away from Palakkad town which hosts several industries, both in the Public and Private sectors. Indian Telephone Industries, Fluid Control Research Institute, and Instrumentation Ltd are some of the important ones.

We get meritorious students through the common entrance examination conducted by government of Kerala, who have excelled in academic, cultural and sporting events at the University and State level, as exemplified by several prizes and awards won by them, such as the best student volunteer award from the IEEE, best coder/debugger award from NIT Calicut, Silver medal in the National Shooting championship, best paper/design awards, etc.

The Faculty members have published widely in reputed international journals and conferences. Moreover, **85% of the faculty members are Post Graduates**. Given the extreme conditions in which the college is functioning, these achievements merit the attention of the authorities, and the institution deserves encouragement which will ensure that the weaker sections also get benefited.

Original Institution Development Proposal (IDP) and current Status		
Specific Objectives	Expected result	Current Status
Setting up new labs, modernization and strengthening of existing labs	Improvement in teaching, learning and training facilities	Established Research lab Central Computing facility New seminar hall PG computational lab Modernized many laboratories with equipment and software
Starting of new PG programs	More R&D projects, and publications and Beneficial for UG students	Organized national conference NCCLAIR-2014 Substantial improvement in faculty publications (40)
Faculty and staff development	Better teaching – learning environment.	All faculty members attended quality training programs Two faculty members presented papers in international conference at abroad
Collaborative programs with industry	Industry exposure to faculty and students	UG elective associating with industry expert Live project in association with IRTC
Up grading faculty qualification	Improvement in teaching – learning environment.	5 faculty members with Ph.D. Qualification (Engg. Discipline) 6 faculty members expecting Ph.D. degree

Academic support for the students	Better transition rate and employability	First year transition rate improved from 59.68 % to 81.47% Current placement rate is 14.39%, no significant improvement
-----------------------------------	--	--

B. Specific objectives and action plan of revised IDP

1. Quality and Employability of the Students		
Specific Objectives	Action Plan	Expected activities
Improving the pass rate of first year students from 81% to 100%	Arrange remedial classes for weak students in the weekends, holidays	3 Placement oriented training programs
Improving the pass rate of SC/ST students from 40% to 80%	Extended use of Language lab for Communication Skill improvement	Three orientation programs
Improving the placement rate from 14 % to 60%	Arrange more number of industrial visits	GATE coaching programs
Improving the number of students admitted to premier higher learning institutions from 5% to 20%	Arrange learning groups for group study purpose	6 expert talks
	Arrange training programs for higher studies, employability and expert talks on career options.	One high intensity programs
	Support the activities of NSS, ISTE, IEEE, FOSS and College union.	5 Counselling classes
	Conduct more number of programs under visiting faculty scheme	
Revised IDP Budget		56.59

2. Staff Development		
Specific Objectives	Action Plan	Expected activities
Better teaching learning ambience	Faculty and supporting staff to attend quality training programs Arrange in house training programs and workshops	17 in house training programs for faculty
Creation of Technical Experts	Depute faculty members for pedagogy training	5 workshops for faculty
Creation of Training and Consultancy Centre	Encourage faculty members to attend international conferences at abroad	3 in house training programs for supporting staff
Improve Team spirit & Organization Culture	Arrange invited talks	15 faculty members for outstation pedagogy training
Healthy work environment	Organize national conferences	38 faculty members for out station FSD programs
Improvement in staff satisfaction		

level		6 National conferences 3 faculty members for International Travel Support Scheme 30 Supporting staff members for out station training programs
Revised IDP Budget		104.62

3. R&D and Consultancy		
Specific Objectives	Action Plan	Expected activities
Faculty development for effective teaching and research competence More number of publications	Enhance seed money projects Invited talks from research organizations	5 seed money projects 6 invited talks
Revised IDP Budget		27.74

4. Enhanced interaction to Industry		
Specific Objectives	Action Plan	Expected activities
Collaborative work with industries Solutions to industries Exposure to real life problems	Under take industrial problem solving projects Industrial training to faculty and supporting staff Collaborative work with industries In house workshops	12 faculty and Technical staff training with industries 2 In house workshops 10 Invited talks from industry experts
Revised IDP Budget		47.02

5. Management Capacity Enhancement		
Specific Objectives	Action Plan	Expected activities
Improve the internal and external effectiveness of the institution Effective implementation of reforms Improve planning, development and	Training programs at leading management institutions In house workshops Orientation programs for BoG members	10 senior faculty members for out station management training 4 in house training programs

monitoring		
Revised IDP Budget		27.86

6. Institutional reforms		
Specific Objectives	Action Plan	Expected activities
Curriculum reforms	Workshops in connection with accreditation	ISO certification process
Performance evaluation of faculty	ISO certification	2 workshops curriculum revision
Accreditation of eligible programs	Workshops for curriculum revision	3 workshops on accreditation
Delegation of decision making powers		
Revised IDP Budget		18.30

7. Assistantship		
Specific Objectives	Action Plan	Expected activities
Non- Gate Scholarship	Payment of Non-Gate Scholarship to 9 PG Students for 2014-2016	9 students @ 6000/- per month
Revised IDP Budget		8.38

Table A

Fund allocated for remaining Project Period (Rs. in Crores)

Balance Amount 5.97 Crs	Time period	April 2015- September 2015	October 2015- March 2016	April 2016- October 2016
	Amount in Crs.	2.50	1.90	1.57

Current Data
Govt. Engineering College
Sreekrishnapuram Kerala

Sl. No.	Parameters	2014-15
1	Total strength of students in all programs and all years of study	1010
2	Total women students in all programs and all years of study	550
3	Total SC students in all programs and all years of study	102
4	Total ST students in all programs and all years of study in the year	7
5	Total OBC students in all programs and all years of study	575
6	Number of fully functional P-4 and above level computers available for students	500
7	Total number of syllabus Text books and Reference books available in library for UG & PG students	15014
8	% of UG students placed through campus interviews	17.16%
9	% of PG students placed through campus interviews	44.44%
10	% of High quality under graduates (>75% marks) passed out	40.87%

11	% of High quality post graduates (>75% marks) passed out	26%
12	Number of research publications in Indian refereed Journals	6
13	Number of research publications in International refereed Journals	29
14	Number of Patents obtained	0
15	Number of Patents filed	0
16	Number of sponsored research projects completed	3
17	<p>a. The pass rate of students in percentage from 1st year to 2nd year</p> <p>(i) All students</p> <p>(ii) SC</p> <p>(iii) ST</p> <p>(iv) OBC</p> <p>(v) Women</p>	<p>49.1%</p> <p>16.7 %</p> <p>00</p> <p>49.7 %</p> <p>47.1 %</p>
18	IRG from students' fee and other charges (Rupees)	7630484
19	IRG from commercialization of R & D products, consultancy & other sources (Rupees)	NIL
20	Total IRG in the year (Rupees)	7630484
21	Total recurring expenditure in the year (Rupees)	41633530
22	% IRG of the recurring expenditure	18.3 %

Budget of Revised IDP

Sl.No	Activities	Amount as per initial IDP (Lakhs)	Revised allocation (Lakhs)	Amount spent as on 31/03/15 (Lakhs)	Balance amount to be utilized (Lakhs)
1	Infrastructure improvement for teaching, Training & Learning	550	550	323.69	226.31
2	Providing Teaching and Research Assistantships	10	10	1.62	8.38
3	Enhancement of R&D and institutional consultancy Activities	30	30	2.26	27.74
4	Faculty and Staff Development	140	140	35.38	104.62
5	Enhanced Interaction with Industry	50	50	2.98	47.02
6	Institutional Management Capacity Enhancement	30	30	2.14	27.86
7	Implementation of Institutional Reforms	30	30	11.71	18.3
8	Academic Support for Weak Students	60	60	3.41	56.59
9	Incremental Operating Cost	100	100	20.27	79.73
	Total	1000	1000	403.45	596.55

